

1 METHOD AND APPARATUS FOR ACQUISITION OF A
2 SPREAD-SPECTRUM SIGNAL

3 Abstract of the Disclosure

4 An apparatus for acquiring a pseudo-random (PN) sequence timing for
5 a code division multiple access (CDMA) radiotelephone. A buffer stores
6 samples of representations of at least one pilot signal. A correlator coupled to
7 the buffer is operable to correlate at least a portion of the samples with a PN
8 sequence at each of a plurality of different PN offsets to produce
9 corresponding correlation energies. A controller coupled to the correlator
10 interrupts the correlator as soon as the PN sequence at a particular PN offset
11 produces a correlation energy at least equal to an energy threshold.

00553121-042500